

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(6BE956)	Hex(4BCC3A)	Hex(23B01A)	Hex(009500)	Hex(007A00)	Hex(006000)	Hex(004700)	Hex(003000)	Hex(001200)	Hex(000000)
Hex(6BE956)		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.55 AA 18pt ²	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶	Ratio: 9.43 Passed ⁶	Ratio: 12.35 Passed ⁶	Ratio: 13.42 Passed ⁶
Hex(4BCC3A)	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 7.03 Passed ⁶	Ratio: 9.20 Passed ⁶	Ratio: 10.00 Passed ⁶
Hex(23B01A)	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶
Hex(009500)	Ratio: 2.53 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 5.30 AA ¹ AAA 18pt ⁴
Hex(007A00)	Ratio: 3.55 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 3.78 AA 18pt ²
Hex(006000)	Ratio: 5.02 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 2.67 Failed ⁵
Hex(004700)	Ratio: 7.06 Passed ⁶	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(003000)	Ratio: 9.43 Passed ⁶	Ratio: 7.03 Passed ⁶	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.42 Failed ⁵
Hex(001200)	Ratio: 12.35 Passed ⁶	Ratio: 9.20 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.48 AA 18pt ²	Ratio: 2.46 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(000000)	Ratio: 13.42 Passed ⁶	Ratio: 10.00 Passed ⁶	Ratio: 7.30 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.09 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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